

GILA RIVER BASIN

09483025 SILVERCROFT WASH AT TUCSON, AZ

LOCATION.--Lat 32°13'53", long 111°00'10", NW¹/₄ sec.10, T.14 S., R.13 E., Pima County, Hydrologic Unit 15050301, 0.1 mi west of Silverbell Road, 0.3 mi northwest of St. Mary's Hospital, and 0.4 mi north of Anklam Road at Tucson.

DRAINAGE AREA.--2.74 mi².

Annual peak discharges

Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes	Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes
1965	07-10-65	¹ 560	HP,C	1975	10-30-74	10	LT,C
1969	08-00-69	² 365	C	1976	09-25-76	310	C
1970	07-20-70	³ 1,500	C	1977	01-01-77	63	C
1971	08-00-71	1,450	C	1978	10-06-77	290	C
1972	00-00-72	100	ES,C	1979	07-20-79	19	C
1973	07-00-73	115	C	1980	08-24-80	72	C
1974	07-20-74	5.0	LT,C	1981	07-21-81	22	C

¹Highest since 1961.

²Highest since 1965.

³Highest since 1961.

Magnitude and probability of instantaneous peak flow based on period of record 1965, 1969-81

Discharge, in ft ³ /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2	5	10	25	50†	100†
50%	20%	10%	4%	2%	1%
90	332	659	1,370	2,200	3,360
Weighted skew	(logs) =	0.01			
Mean	(logs) =	1.96			
Standard dev.	(logs) =	0.67			

† Reliability of values in column is uncertain, and potential errors are large.

Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
44.6	3.3	2,540	0.0	1.0	11.8	1.9	4.4

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